

What is claimed is:

1. A connector, comprising a plastic core, a set of terminals, a set of first isolating plates, two first
5 conductive plates, and an insertion element;

10 said plastic core being provided on an inner central portion at upper and lower sides thereof with upper and lower receiving slots, and at an area of said inner central portion between said upper and lower receiving slots with a plurality of alternately arranged terminal slots and isolating plate slots, said terminal slots being divided into an upper and a lower row; and said plastic core also being provided at each
15 of two lateral inner sides with a slide way;

said set of terminals including a plurality of terminals adapted to separately locate in said upper and lower rows of terminal slots on said plastic core;

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said set of first isolating plates including a plurality of first isolating plates adapted to separately locate in said isolating plate slots on said plastic core;

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said two first conductive plates being separately inserted into said upper and lower receiving slots on said plastic core; and

5 said insertion element having two lateral sides slidably engaged with said slide ways on said plastic core and thereby being firmly held in said plastic core.

10 2. The connector as claimed in claim 1, wherein said upper and lower receiving slots on said plastic core are separately provided with one or more ribs.

15 3. The connector as claimed in claim 1, wherein said two first conductive plates are provided with one or more slits.

20 4. The connector as claimed in claim 1, wherein said insertion element is provided with a transverse central receiving slot, in which a second conductive plate is received.

25 5. The connector as claimed in claim 1, wherein said insertion element is provided at upper and lower sides with second isolating plates corresponding to said

set of terminals.

6. The connector as claimed in claim 1, wherein said insertion element is a printed circuit board.

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7. A connector, comprising a plastic core, a set of terminals, a set of first isolating plates, two first conductive plates, an insertion element, and two outer covers;

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said plastic core being provided on an inner central portion at upper and lower sides thereof with upper and lower receiving slots, and at an area of said inner central portion between said upper and lower receiving slots with a plurality of alternately arranged terminal slots and isolating plate slots, said terminal slots being divided into an upper and a lower row; and said plastic core also being provided at each of two lateral inner sides with a slide way;

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said set of terminals including a plurality of terminals adapted to separately locate in said upper and lower rows of terminal slots on said plastic core;

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said set of first isolating plates including a

plurality of first isolating plates adapted to separately locate in said isolating plate slots on said plastic core;

5 said two first conductive plates being separately inserted into said upper and lower receiving slots on said plastic core; and

10 said insertion element having two lateral sides slidably engaged with said slide ways on said plastic core and thereby being firmly held in said plastic core; and

15 said two outer covers being located at upper and lower sides of said insertion element to enclose said insertion element in said plastic core; said outer covers being provided at respective inner side with a plurality of isolating ribs, and internally provided at a central position with a transverse recess, into
20 which a third conductive plate is received; and said third conductive plates received in said two outer covers being separately in contact with said first conductive plates received in said upper and lower receiving slots on said plastic core.

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8. The connector as claimed in claim 7, wherein said upper and lower receiving slots on said plastic core are separately provided with one or more ribs.
- 5 9. The connector as claimed in claim 7, wherein said transverse recesses on said outer covers are internally provided with one or more ribs.
- 10 10. The connector as claimed in claim 7, wherein said first and said third conductive plates are provided with one or more slits.
- 15 11. The connector as claimed in claim 7, wherein said insertion element is provided with a transverse central receiving slot, in which a second conductive plate is received.
- 20 12. The connector as claimed in claim 7, wherein said insertion element is provided at upper and lower sides with second isolating plates corresponding to said set of terminals.
- 25 13. The connector as claimed in claim 7, wherein said insertion element is a printed circuit board.